

PMCG / Tag + D.V

ig No. _____
Tag 10 + Deep Vent different amount in Picking
PMCG.

Deep Vent buffer 22x KlenTag buffer.

| 10x buffer | 110 | 110 | 200 µl dNTP |
|------------------|-------|-------|-----------------|
| dNTP | 22 | 22 | 1 µl primer |
| Mg | — | 22 | 200 µg Template |
| primer 1 | 11 | 11 | Mg 2 µl |
| 2 | 11 | 11 | |
| Template | 4.4 | 4.4 | |
| H ₂ O | 895.6 | 873.6 | |

added 10 Tag in 1 µl in 1x buffer
added different amount of Deep Vent in 2 µl in 1x buffer
either D.V. or RT buff

| Tag | Deep Vent | * Tubes | Deep Vent buffer | K. T. buffer |
|-----|-----------|---------|------------------|--------------|
| 0 | 0 | 1 | 2 | 22 23 |
| 1 | 0 | 3 | 4 | 24 25 |
| | .001 | 5 | 6 | 26 27 |
| | .005 | 7 | 8 | 28 29 |
| | .01 | 9 | 10 | 30 31 |
| | .05 | 11 | 12 | 32 33 |
| | .1 | 13 | 14 | 34 35 |
| | .5 | 15 | 16 | 36 37 |
| | 1 | 17 | 18 | 38 39 |
| | 2 | 19 | 20 | 40 41 |

94°, 3' 21 42'
30(94°, 30", 56°, 30", 72°, 3') 1 : 0.01 max

started the cycling file instead of stop file - 2 cycles done
before changing to stop file To Page No. _____

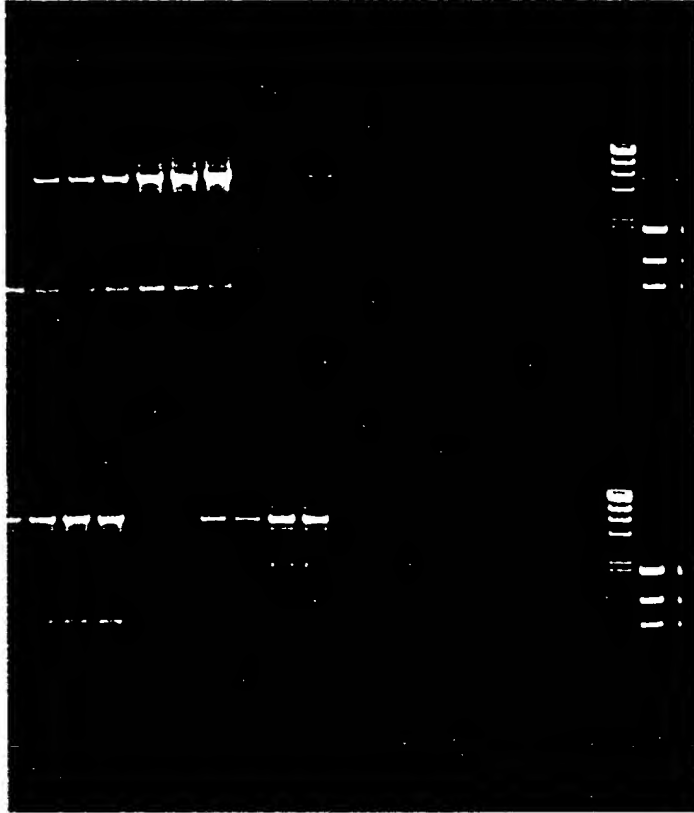
| | | | |
|------------------------|---------------|--------------------------|---------------|
| seen & Understood by m | Date 11/21/94 | Invented by | Date 11/22/94 |
| | | Recorded by J. Silverman | |

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Tag: depressurization

← D.V. buffer - up to 1:0.01 ok.

← R.T. Buffer can go up to 1:0.05 but this can f. D.V. more mispriming

1:0.001 1:0.01 1:0.1 → 1:2

1:0.005 1:0.05

? maybe didn't add any Tag - make pressure next mispriming still there - Check annealing temp.

- Try again with new D.Vent.

Increasing D.V. over 0.05 = having D.V. above Tag effort mil.

discarded 12/19/94

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Witness d & Understood by me,

Dat

Invented by

Date

Recorded by

11/22/94

R. Shaefferman